

a¹ 2(Amended) An electric motor, a transformer or component thereof obtained by a method comprising:

contacting the component with a coating composition comprising a combination comprising

at least one borate containing composition and at least one carbonizable material, or at least one silica containing composition having a basic pH and,

contacting said component motor lamination with molten aluminum.

a² 4(Amended). The component of Claim 2 wherein said composition further comprises at least one water soluble polymer.

5(Amended) The component of Claim 2 wherein the component comprises at least one member chosen from the group of at least one electric motor laminates, electric motor stacked rotor laminates, electric motor stator, transformer laminates and stacked transformer laminates.

a³ 7(Amended). The component of Claim 2 wherein the borate containing composition comprising boric acid and sodium tetraborate.

a⁴ 9(Amended) The component of Claim 2 wherein said composition forms an electrically resistive coating.

a⁵ 11(Amended) The component of Claim 2 wherein said composition further comprises ferromagnetic particles.

12(Amended) The component of Claim 2 wherein said composition further comprises at least one member chosen from the group of boron nitride, aluminum nitride, silicon carbide, silicon nitride and carbon.

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15(Amended) The component of Claim 2 further comprising at least one carrier wherein said carrier comprises at least one water soluble polymer comprising at least one member chosen from the group of urethanes and acrylics.

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20(Amended). An electric motor, a transformer or component thereof obtained by a method comprising:
 contacting the component with a coating composition comprising at least one silica containing composition having a basic pH, and;
 contacting said at least one treated motor lamination with molten aluminum.

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21(New). An electric motor or electric motor component comprising a steel substrate having a coating comprising: 1) at least one silica containing composition having a basic pH, or 2) at least one borate compound and at least one carbonizable compound, and wherein the coated substrate is at least partially encapsulated by aluminum.

22(New). An electric motor having at least one component wherein said component comprises a metal containing surface treated with a composition comprising: 1) at least one silica containing compound or precursors thereof having a basic pH, or 2) at least one borate containing material or precursors thereof and at least one carbonizable compound; wherein said treated surface isolates said substrate from an adjacent metal molding.

23(New). An electric motor or an electric motor component having at least one a metal containing substrate with a surface at least partially treated with a composition comprising: 1) at least one silicate containing compound or precursors thereof having a basic pH, or 2) at least one borate containing material or precursors thereof and at least one carbonizable compound; wherein the treated surface functions to electrically insulate said substrate from an adjacent metal body.

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24(New). An electric motor or an electric motor component having at least one a metal containing substrate with a surface at least partially contacted with a composition comprising at least one silicate containing compound or precursors thereof having a basic pH; wherein the treated surface functions as a barrier between the substrate and an adjacent metal body that at least partially embeds said substrate.
